

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/045439 A1

(51) International Patent Classification⁷: G01N 33/58, 33/566, 33/577, C07K 17/14, C12Q 1/68, 1/70

(21) International Application Number:
PCT/AU2004/001522

(22) International Filing Date:
5 November 2004 (05.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003906147 7 November 2003 (07.11.2003) AU

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/045439 A1

(54) Title: BINDING ASSAY COMPONENTS

(57) Abstract: In one embodiment, the present invention provides a detection complex which is useful for detecting a specific analyte of interest in a sample. The complex comprises a detection marker indirectly connected to an analyte binding partner by a bridging complex. This arrangement serves to preserve or enhance the availability of analyte binding sites on the analyte binding partner and consequently enhances detection of the analyte. In some embodiments, the present invention provides a detection complex useful for detecting a specific antibody of interest in a sample. In accordance with one aspect of the present invention, methods are provided to detect one or more antibodies using a bridging complex comprising multimeric, dimeric, or chimeric molecules or particles each comprising an antigen and coupled to detection markers through the use of antibodies or a protein binding molecule, nucleic acid binding molecule, carbohydrate binding molecule or lipid binding molecule.